



Installing MacBook Core Duo Right Speaker

Tools used in this guide

- [Coin](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)

Parts relevant to this guide

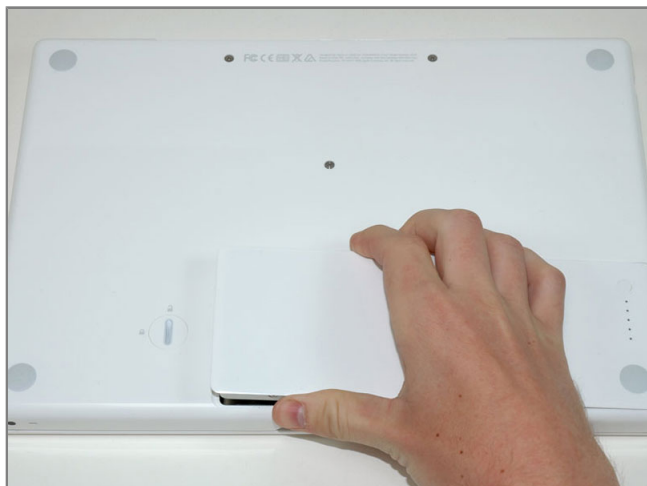
- [MacBook Subwoofer and Right Speaker](#) (1)

Restore balanced sound to your laptop by replacing the right speaker.



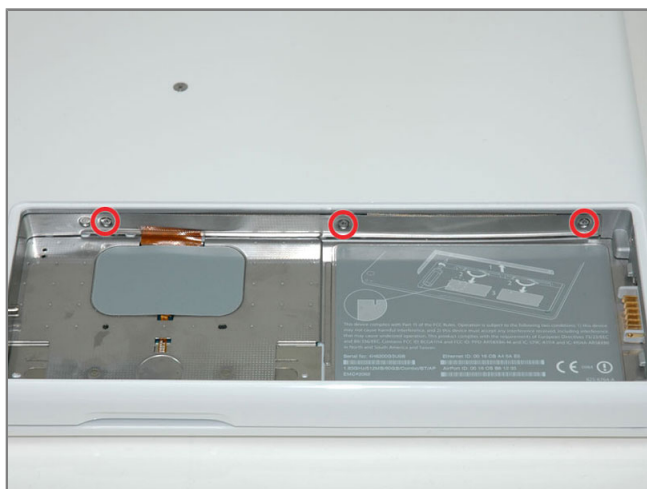
Step 1 - Battery

- Use a coin to rotate the battery-locking screw 90 degrees clockwise.



Step 2

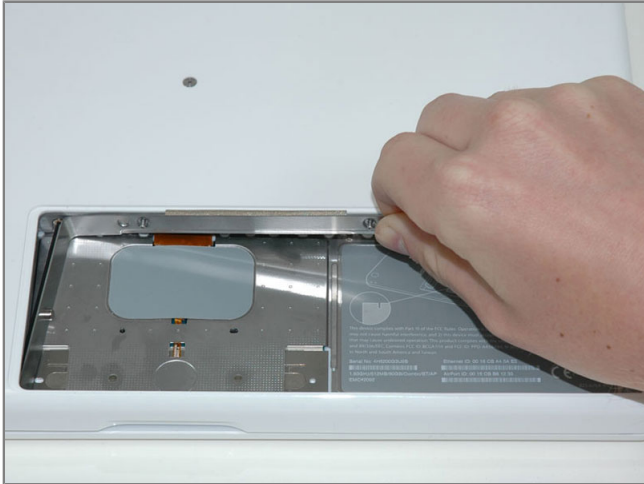
- Lift the battery out of the computer.



Step 3 - Memory Cover

- Remove the three evenly-spaced Phillips screws from along the rear wall of the battery compartment.
- The screws are captive to the metal memory cover.





Step 4

- Lift up on L-shaped memory cover, slide it to the right, and lift it out of the computer.



Step 5 - Upper Case

- Remove the following 3 screws:
 - One 11 mm Phillips #00 in the middle of the case.
 - Two 14.5 mm Phillips #00.
- If the screws stick in the case, you can use a magnetized screwdriver to draw them out.
- The shorter of the three screws goes in the middle.



Step 6

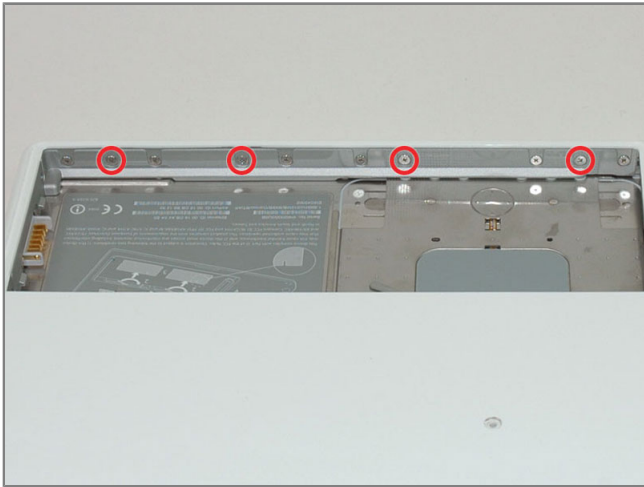
- Remove the following 3 screws from the rear wall of the battery compartment:
 - Two 3 mm Phillips #000.
 - One 4 mm Phillips #000 on the right side.
- When reinstalling these screws, it may be helpful to push down on the lower case to line up the screw holes.





Step 7

- Remove the two Phillips #00 screws from either side of the right wall of the battery compartment (not the ones closest to the battery connector).



Step 8

- Remove the four indicated Phillips #00 screws from the front wall of the battery compartment. When working from the left, remove the 2nd, 4th, 7th and 9th screw.



Step 9

- Remove the following 4 screws from the back of the computer:
 - Two 7 mm Philips on the far sides.
 - Two 10.5 mm Phillips toward the center.



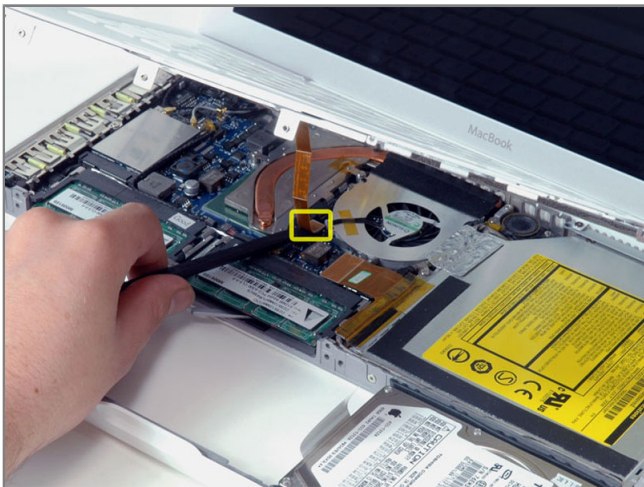
Step 10

- Remove the two Phillips #00 screws from the optical side of the computer.
- It is not necessary to remove the similar screws on the other side of the computer.



Step 11

- Starting near the display and working around to the front of the computer, pry up on the upper case. It is held with clips on the right above the optical drive. These will release with some firm lifting pressure.
- There's a trackpad and keyboard ribbon connecting the upper case to the logic board, so don't pull the upper case off entirely just yet.



Step 12

- While holding up the upper case, use a spudger to pry up the orange trackpad and keyboard cable from its connector.



Step 13 - Optical Drive

- Grasp the white plastic tab attached to the hard drive and pull it to the left, removing the hard drive from the computer.



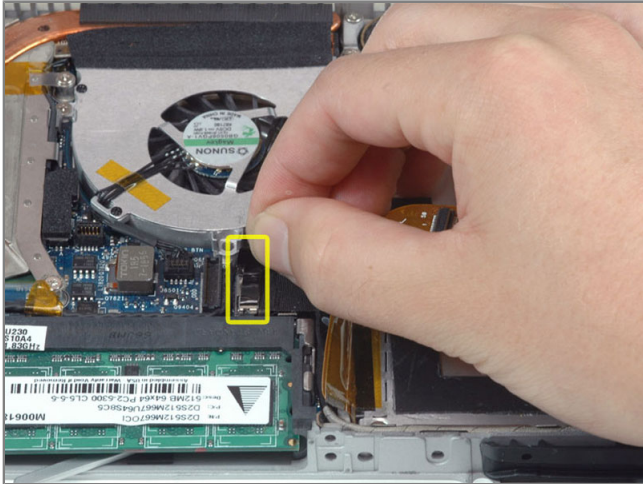
Step 14

- Remove the two Phillips screws from the front edge of the optical drive.



Step 15

- Disconnect the orange optical drive ribbon cable from the logic board.



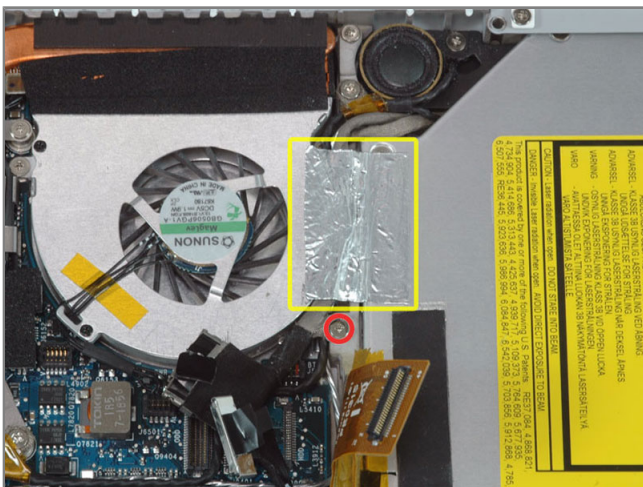
Step 16

- Disconnect the newly-revealed display data cable. If there is no pull-tab on the top of the connector, it may be helpful to use a spudger to disconnect this connector.



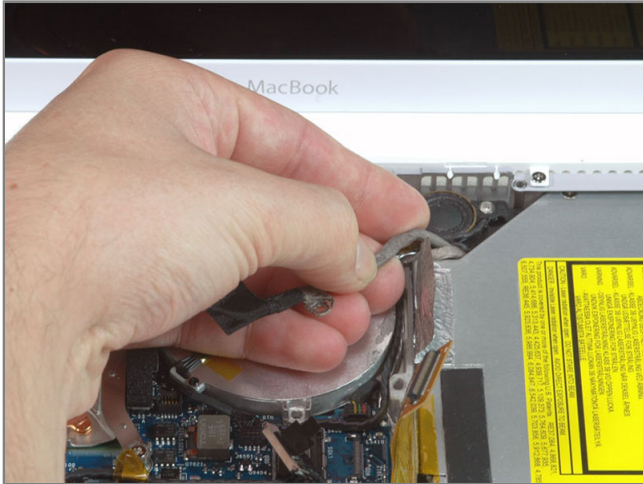
Step 17

- Disconnect the (once again) newly-revealed hard drive cable.



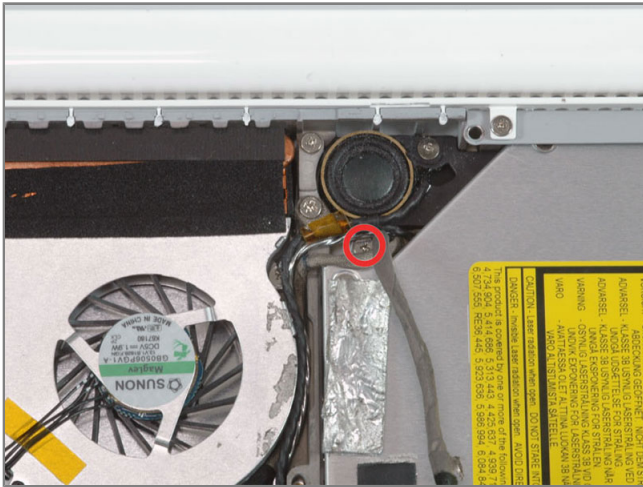
Step 18

- Peel up the foil tape between the fan and the optical drive.
- Remove the Phillips screw securing the display data cable to the metal framework.



Step 19

- Pull up the display data cable from along the edge of the optical drive to reveal a silver Phillips screw.



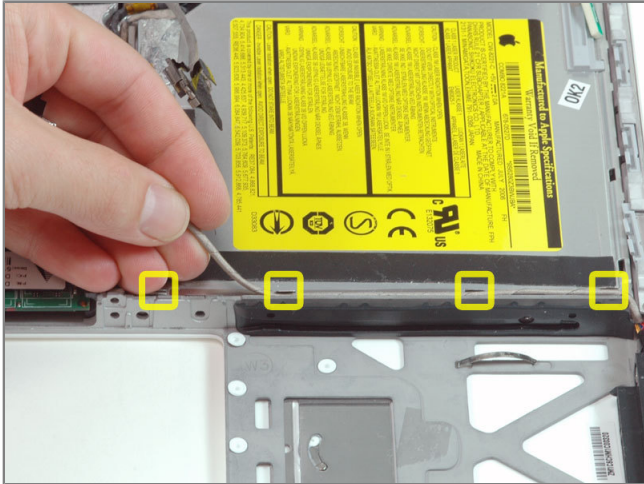
Step 20

- Remove the Phillips screw securing the optical drive.
- The Bluetooth cable may be covering the screw; carefully push it aside before removing the screw.



Step 21

- Lift the Bluetooth antenna board from the right side of the optical drive.



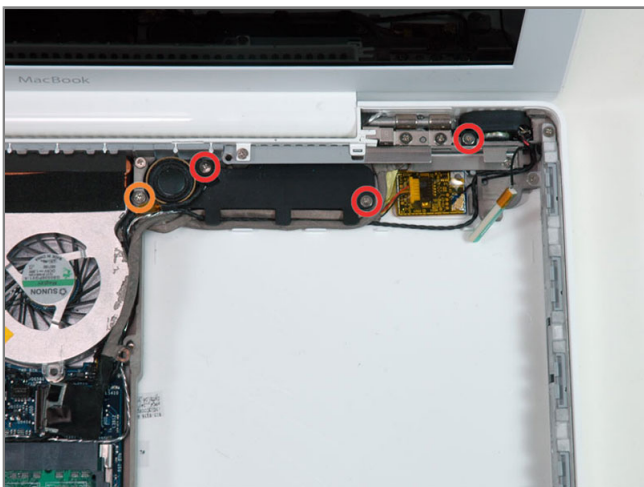
Step 22

- Deroute the hard drive cable from along the front of the optical drive.



Step 23

- Lift the front edge of the optical drive and slide it up and out of the computer.



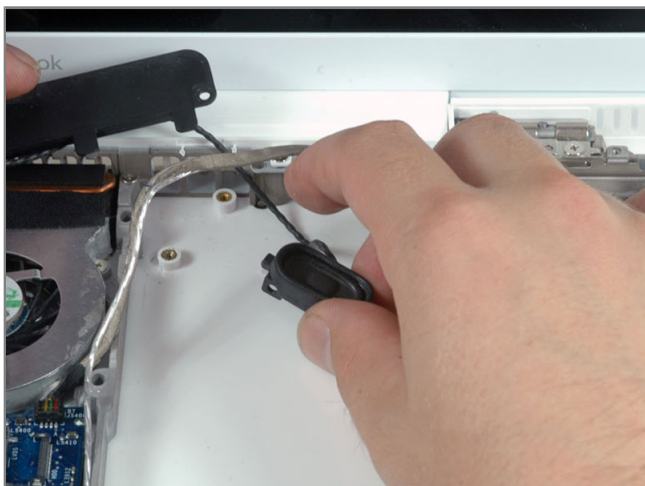
Step 24 - Right Speaker

- Remove the following 4 Phillips screws:
 - Three 3 mm Phillips securing the subwoofer and right speaker to the lower case.
 - One 7.5 mm Phillips securing the loop in the display data cable to the lower case.



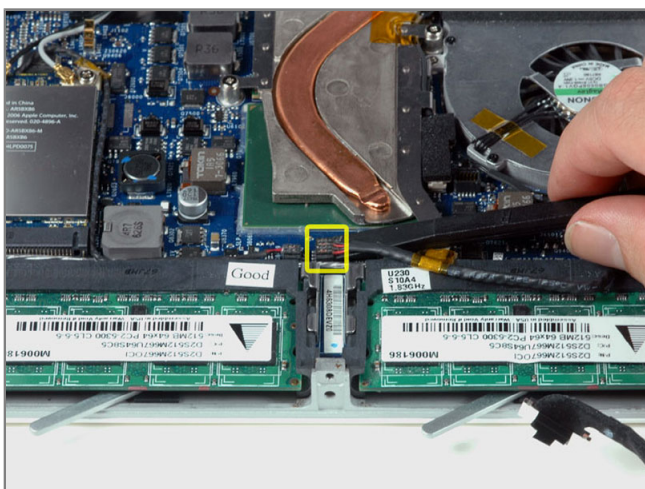
Step 25

- Lift the right speaker out of its housing in the lower case.



Step 26

- Thread the subwoofer and right speaker beneath the display data and microphone cables.



Step 27

- Use a spudger to disconnect the right speaker connector from the logic board.

To reassemble your device, follow these instructions in reverse order.

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